

**SYSTEM AND METHOD FOR DOCUMENT-SEARCHING, PROGRAM FOR
PERFORMING DOCUMENT-SEARCHING, COMPUTER-READABLE STORAGE
MEDIUM STORING THE SAME PROGRAM, COMPILING DEVICE, COMPILING
METHOD, PROGRAM FOR PERFORMING THE SAME COMPILING METHOD,
5 COMPUTER-READABLE STORAGE MEDIUM STORING THE SAME PROGRAM,
AND A QUERY AUTOMATON EVALUATOR**

Abstract

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Document-searching using a compiling device for generating a two-state input automaton for enabling a state transition by storing an input query expression, performing parsing, and reading at least two states from different types of nodes in an element identifier, and a storage device for storing the two-state input automaton. Also included is an automaton-evaluating device for
15 enabling three state transitions by reading out a two-state input automaton from the storage device and storing the automaton, while reading in a document and identifying the input two states.